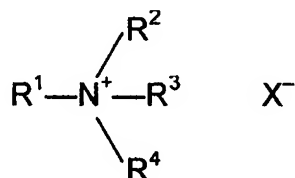


CORROSION INHIBITOR-DRAG REDUCER COMPOUNDS

Abstract of the Disclosure

Drag reducers having the formula:



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where R¹ is a straight or branched saturated alkyl having at least 12 carbon atoms;

R², R³ and R⁴ are independently lower alkyl of 1 to 4 carbon atoms, aryl,

alkylaryl, or alkoxide where the alkoxide units constitute from 1 to 16

alkoxy moieties where the alkoxy moieties are independently from 2

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to 4 carbon atoms, or any two of R², R³ and R⁴ are joined together to

form cycloalkyl of 5 to 6 carbon atoms, or all three of R², R³ and R⁴

together with the N form a pyridinium ring, where R², R³ and R⁴ may

be independently substituted with O or S; and

X⁻ is selected from the group of anions consisting of salicylate, thiosalicylate,

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sulfonate, and hydroxynaphthenate,

have been found to simultaneously function as corrosion inhibitors. Cetyltrimethylammonium salicylate (CTAS) and Cetylpyridinium salicylate (CPS) are particularly preferred drag reducers.